



Attorney Docket No.: 56162.000530
(GV 330)

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name;

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MIMO DYNAMIC PSD ALLOCATION FOR DSL NETWORKS

the specification of which: is attached hereto.

was filed on: March 25, 2004

as United States Application No.: 10/808,549

or PCT International Application No.: _____

and was amended on: _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

Prior Foreign Application(s)

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below by checking the box, any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

Application Number	Country	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority Claimed	
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>
				Yes <input type="checkbox"/>	No <input type="checkbox"/>

Prior Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing (day, month, year)
60/547,537	26 February 2004

Prior United States Application(s)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Date of Filing (day, month, year)	Status - Patented, Pending, Abandoned

And I hereby appoint, both jointly and severally, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith the Hunton & Williams LLP attorneys and agents associated with **CUSTOMER NUMBER 21967**.

All correspondence and telephone communications should be addressed to:

**CUSTOMER NUMBER
21967**

corresponding to the law firm of Hunton & Williams LLP; Intellectual Property Department; 1900 K Street, N.W.; Suite 1200; Washington, DC 20006-1109; telephone number (202) 955-1500; facsimile number (202) 778-2201.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made

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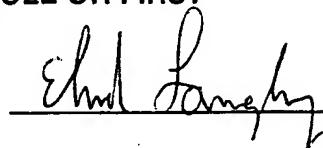
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are punishable by fine and imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**NAME OF SOLE OR FIRST
INVENTOR:**

A petition has been filed for this unsigned inventor

Signature



Date

5/4/04

Given Name
(first and middle (if any))

Ehud

Family Name
or Surname

LANGBERG

Citizenship: USA

Residence: 44 Meadows Lane, Wayside, NJ 07712

Mailing Address: 44 Meadows Lane, Wayside, NJ 07712

NAME OF SECOND INVENTOR:

A petition has been filed for this unsigned inventor

Signature

Date

Given Name
(first and middle (if any))

William

Family Name
or Surname

SCHOLTZ

Citizenship: USA

Residence: 734 Navesink River Road, Red Bank, NJ 07701

Mailing Address: 734 Navesink River Road, Red Bank, NJ 07701

NAME OF THIRD INVENTOR:

A petition has been filed for this unsigned inventor

Signature

Date

Given Name
(first and middle (if any))

Lujing

Family Name
or Surname

CAI

Citizenship: USA

Residence: 517 Imbrie Place, Morganville, NJ 07751

Mailing Address: 517 Imbrie Place, Morganville, NJ 07751

NAME OF FOURTH INVENTOR:

A petition has been filed for this unsigned inventor

Signature

Date

Given Name
(first and middle (if any))

Albert

Family Name
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Rapaport

Citizenship: Israel

Residence: 102 Radcliff Place, Morganville, NJ 07751

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**NAME OF SOLE OR FIRST
INVENTOR:**

A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name Family Name
(first and middle (if any)) Ehud or Surname LANGBERG
Citizenship: USA
Residence: 44 Meadows Lane, Wayside, NJ 07712
Mailing Address: 44 Meadows Lane, Wayside, NJ 07712

NAME OF SECOND INVENTOR:

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Signature C. K. Scholtz Date 5/5/04
Given Name Family Name
(first and middle (if any)) William or Surname SCHOLTZ
Citizenship: USA
Residence: 734 Navesink River Road, Red Bank, NJ 07701
Mailing Address: 734 Navesink River Road, Red Bank, NJ 07701

NAME OF THIRD INVENTOR:

A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name Family Name
(first and middle (if any)) Lujing or Surname CAI
Citizenship: USA
Residence: 517 Imbrie Place, Morganville, NJ 07751
Mailing Address: 517 Imbrie Place, Morganville, NJ 07751

NAME OF FOURTH INVENTOR:

A petition has been filed for this unsigned inventor

Signature _____ Date _____
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Citizenship: Israel
Residence: 102 Radcliff Place, Morganville, NJ 07751
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Signature _____ Date _____
Given Name Family Name
(first and middle (if any)) Ehud or Surname LANGBERG
Citizenship: USA
Residence: 44 Meadows Lane, Wayside, NJ 07712
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NAME OF SECOND INVENTOR:

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Signature _____ Date _____
Given Name Family Name
(first and middle (if any)) William or Surname SCHOLTZ
Citizenship: USA
Residence: 734 Navesink River Road, Red Bank, NJ 07701
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Signature _____ Date _____
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**NAME OF SOLE OR FIRST
INVENTOR:**

A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name _____ Family Name _____
(first and middle (if any)) Ehud or Surname LANGBERG
Citizenship: USA
Residence: 44 Meadows Lane, Wayside, NJ 07712
Mailing Address: 44 Meadows Lane, Wayside, NJ 07712

NAME OF SECOND INVENTOR:

A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name _____ Family Name _____
(first and middle (if any)) William or Surname SCHOLTZ
Citizenship: USA
Residence: 734 Navesink River Road, Red Bank, NJ 07701
Mailing Address: 734 Navesink River Road, Red Bank, NJ 07701

NAME OF THIRD INVENTOR:

A petition has been filed for this unsigned inventor

Signature _____ Date _____
Given Name _____ Family Name _____
(first and middle (if any)) Lujing or Surname CAI
Citizenship: USA
Residence: 517 Imbrie Place, Morganville, NJ 07751
Mailing Address: 517 Imbrie Place, Morganville, NJ 07751

NAME OF FOURTH INVENTOR:

A petition has been filed for this unsigned inventor

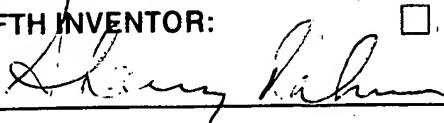
Signature _____ Date _____
Given Name _____ Family Name _____
(first and middle (if any)) Albert or Surname Rapaport
Citizenship: Israel
Residence: 102 Radcliff Place, Morganville, NJ 07751
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NAME OF FIFTH INVENTOR:

Signature

 A petition has been filed for this unsigned inventor

Date

5/15/04

Given Name

(first and middle (if any)) Shareq

Family Name

or Surname

RAHMAN

Citizenship: India

Residence: 308 Pleasant Valley Road, Morganville, NJ 07751

Mailing Address: 308 Pleasant Valley Road, Morganville, NJ 07751

NAME OF SIXTH INVENTOR: A petition has been filed for this unsigned inventor

Signature

Date

Given Name

(first and middle (if any)) Patrick

Family Name

or Surname

DUVAUT

Citizenship: France

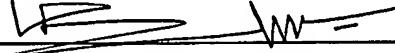
Residence: 48 Madison Court, Tinton Falls, NJ 07712

Mailing Address: 48 Madison Court, Tinton Falls, NJ 07712

NAME OF FIFTH INVENTOR: A petition has been filed for this unsigned inventor

Signature _____

Date _____

Given Name
(first and middle (if any)) **Shared**Family Name
or Surname**RAHMAN**Citizenship: **India**Residence: **308 Pleasant Valley Road, Morganville, NJ 07751**Mailing Address: **308 Pleasant Valley Road, Morganville, NJ 07751****NAME OF SIXTH INVENTOR:** A petition has been filed for this unsigned inventorSignature Date 05/05/2004Given Name
(first and middle (if any)) **Patrick**Family Name
or Surname**DUVAUT**Citizenship: **France**Residence: **48 Madison Court, Tinton Falls, NJ 07712**Mailing Address: **48 Madison Court, Tinton Falls, NJ 07712**

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